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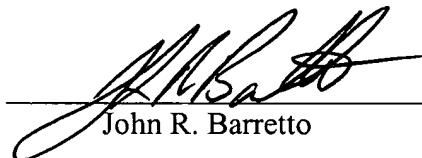
PATENTS
Attorney Docket No. MMO-001.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
Ethridge et al.)	
Application No:)	Art Unit: 2123
10/657,729)	
Filed:)	Confirmation No.: 8912
September 8, 2003)	
For:)	Examiner: Not yet assigned
DETERMINING FIELD-DEPENDENT)	
CHARACTERISTICS BY EMPLOYING)	
HIGH-ORDER QUADRATURES IN)	
THE PRESENCE OF GEOMETRIC)	
SINGULARITIES)	

CERTIFICATE OF MAILING

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Sir:

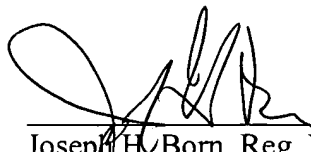
INFORMATION-DISCLOSURE STATEMENT

Applicants hereby bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

To the extent required by 37 C.F.R. §1.98(a)(3), Applicants have described what they consider to be the relevance of any foreign-language reference.

Please charge any additional fee occasioned by this paper to our Deposit Account
No. 06-1448, Reference MMO-001.01.

Respectfully submitted,



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Form PTO-159 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) MMO-001.01	Application Number 10/657,729
	Applicant Ethridge et al.	
	Filing Date September 8, 2003	Group Art Unit 2123

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	US 6,314,545	November 6, 2001	Kapur et al.	716	5	Nov. 6, 1998
	B	US 6,051,027	April 18, 2000	Kapur et al.	703	5	July 16, 1998
	C	US 6,064,808	May 16, 2000	Kapur et al.	395	500.23	Aug. 1, 1997

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(Including Author, Title, Date, Pertinent Pages Etc.)

	D	International Search Report, International Application Number PCT/US03/28229, dated May 13, 2004, all pages.
	E	KOLM, P., et al. "Numerical Quadratures for Singular and Hypersingular Integrals", Comput. Math. Appl. (UK), Computers & Mathematics with Applications, Feb. 2001, XP002280179, ISSN: 0898-1221, Elsevier, U.K., Vol. 41, No. 3-4, pp. 327-352.
	F	YARVIN, N., et al. "An Improved Fast Multipole Algorithm for Potential Fields on the Line", SIAM Journal on Numerical Analysis, SIAM, U.S.A., Vol. 36, No. 2, 1999, XP008030571, pp. 629-666.
	G	PLACE J., et al. "Efficient Numerical Integration Using Gaussian Quadrature", Simulation, Simulation Councils U.S.A., October, 1999, Vol. 73, No. 4, XP008030556, pp. 232-238.
	H	YARVIN, N. and ROKHLIN, V., "Generalized Gaussian Quadratures and Singular Value Decompositions of Integral Operators", SIAM J. Sci. Comput. 20,6 (1999), pp. 699-718.
	I	DARVE, E., "The Fast Multipole Method: Numerical Implementation", Journal of Computational Physics 160, pp. 195-240 (2000).
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	K	GREENGARD, L., HUANG, J., ROKHLIN, V. and WANDZURA, S., "Accelerating Fast Multipole Methods for Low Frequency Scattering", IEEE Computational Science and Engineering 5, (1998), pp. 1-12
	L	CHENG, H., GREENGARD, L., and ROKHLIN, V., "A Fast Adaptive Multipole Algorithm in Three Dimensions", Journal of Computational Physics 155 (1999), pp. 468-498.
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	N	BEATSON, R. and GREENGARD, L., "A Short Course on Fast Multipole Methods", in Wavelets, Multilevel Methods and Elliptic PDEs, 1997, Oxford University Press, pp. 1-37.
	O	DARVE, E., "Efficient Fast Multipole Method for Low Frequency Scattering", Center for Turbulence Research, Annual Research Briefs, 2001, Stanford University, Stanford, California, pp. 259-270.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449		Docket Number (Optional) MMO-001.01		Application Number 10/657,729	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Ethridge et al.			
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>					
	P	GREENGARD, L. and HUANG, J., "A New Version of the Fast Multipole Method for Screened Coulomb Interactions in Three Dimensions", December 21, 2001, pp. 1-18.			
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	Y	SONG, Jiming et al., "Multilevel Fast Multipole Algorithm for Electromagnetic Scattering by Large Complex Objects", IEEE Transactions on Antennas and Propagation, October 1997, Vol. 45, No. 10, pp. 1488-1493.			
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	AA	STRAIN, John, "Locally Corrected Multidimensional Quadrature Rules for Singular Functions", SIAM J. Sci. Comp., 1995, Vol. 16, No. 4, pp. 992-1017.			
	BB	SONG, J.M. and CHEW, C., "Multilevel Fast-Multipole Algorithm for Solving Combined Field Integral Equations of Electromagnetic Scattering", Microwave and Optical Technology Letters, September 1995, Vol. 10, No. 1, pp. 14-19.			
	CC	ALPERT, Bradley K., "High-order Quadratures for Integral Operators with Singular Kernels", Journal of Computational and Applied Mathematics, 1995, 60, pp. 367-378.			
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	DD	NABORS, K., et al., "Preconditioned, Adaptive, Multipole-Accelerated Iterative Methods for Three-Dimensional First-Kind Integral Equations of Potential Theory", SIAM J. Sci. Comput., May 1994, Vol. 15, No. 3, pp. 713-735.			
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	JJ	GREENGARD, Leslie F., "The Rapid Evaluation of Potential Fields in Particle Systems", An ACM Distinguished Dissertation 1987, The MIT Press, 1988, Cambridge, Massachusetts, pp. i-92.			
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	NN	GREENGARD, Leslie and ROKHLIN, Vladimir, "A New Version of the Fast Multipole Method for the Laplace Equation in Three Dimensions", Acta Numerica, Cambridge University Press, 1997, pp. 229-269.			
	OO				
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